

action, to which an appropriate response must be mailed no later than 06/28/02, in order to avoid a late fee, and no later than 09/29/02, in order to avoid an finding of abandonment.

IN THE DRAWINGS

Figure 1 of the drawings has been modified to add reference to the modulation and digitization of the signals by receivers 12 and 14 before sending the modulated and digitized signals to computer 22. Enclosed is a copy of what was sent to the Official Draftsman.

CLEAN COPY OF AMENDED CLAIM 40

40. A system for suppressing RF ambient signals from a signal containing both RF radiated emissions of an electronic device and RF ambient signals, the system comprising:

- C!
- a) a first RF sensor operative to receive primarily ambient RF signals and radiated RF emissions from the electronic device and in electrical communication with a first RF receiver adapted to receive from said first RF sensor both the ambient RF signals and the radiated RF emission;
 - b) said first RF receiver being operative to demodulate and digitize the received ambient RF signals and the received radiated RF emissions;

c) a second RF sensor operative to receive primarily ambient RF signals and in electrical communication with a second receiver adapted to receive from said second RF sensor the ambient RF signals;

d) said second RF receiver being operative to demodulate and digitize the received ambient RF signals;

Cont.
e) said first and said second receivers being time and frequency synchronized to each other;

f) a central computer in electrical communication with said first and said second receivers, said central computer being operative to store and process the ambient signals and the radiated emissions from respective ones of said first and said second receivers;

g) wherein said central computer is configured as an adaptive filter operative to suppress the ambient RF signals correlated between said first and said second receivers in order to extract the radiated RF emissions of the electronic device.

COPY OF EXISTING CLAIM 40 SHOWING THE CHANGES MADE

40. (Amended) A system for suppressing RF ambient signals from a signal containing both RF radiated emissions of an electronic device and RF ambient signals, the system comprising:

a) a first RF sensor operative to receive primarily ambient RF signals and radiated RF emissions from the electronic device and in electrical communication with a

first RF receiver adapted to receive from said first RF sensor both ambient the RF signals and the radiated RF emissions;

b) said first RF receiver being operative to demodulate and digitize the received ambient RF signals and the received radiated RF emissions;

c) a second RF sensor operative to receive primarily ambient RF signals, and in electrical communication with a second receiver adapted to receive from said second RF sensor the ambient RF signals;

d) [said first and said second receivers adapted to demodulate and digitize the ambient RF signals and being time and frequency synchronized to each other] said second RF receiver being operative to demodulate and digitize the received ambient RF signals;

e) said first and said second receivers being time and frequency synchronized to each other;

f) a central computer in electrical communication with said first and said second receivers, said central computer being operative to store and process the ambient signals and the radiated emissions from respective ones of said first and said second receivers;

g) wherein the central computer is configured as an adaptive filter operative to suppress the ambient RF signals correlated between the first and second receivers in order to extract the radiated RF emissions of the electronic device.

///